

Title (en)  
METHODS OF ENHANCING THE THERAPEUTIC ACTIVITY OF NSAIDS AND COMPOSITIONS OF ZWITTERIONIC PHOSPHOLIPIDS USEFUL THEREIN

Title (de)  
VERFAHREN ZUR ERHÖHUNG DER THERAPEUTISCHEN WIRKUNG VON NSAIDS UND DAZU VERWENDBARE ZWIHERIONISCHE PHOSPHOLIPIDE ZUSAMMENSETZUNGEN

Title (fr)  
PROCEDES D'AMELIORATION DE L'ACTIVITE THERAPEUTIQUE DE MEDICAMENTS NON STEROIDES ANTI-INFLAMMATOIRES (NSAIDS) ET COMPOSITIONS DE PHOSPHOLIPIDES ZWITTERIONIQUES UTILES A CES FINS

Publication  
**EP 0805684 A4 19980805 (EN)**

Application  
**EP 96902157 A 19960124**

Priority  
• US 9600633 W 19960124  
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Abstract (en)  
[origin: EP1214940A1] Disclosed are compositions comprising non-steroid anti-inflammatory drugs (NSAID's) complexed with zwitterionic, neutral phospholipids, or both, having reduced gastrointestinal irritating effects and enhanced anti-pyretic, analgesic, and anti-inflammatory activity. Also disclosed are improved methods of using the complexes for treating fever, inflammation, and preventing platelet aggregation. In some embodiments, the anti-pyretic activity of sub-therapeutically used amounts of NSAID's are enhanced to elicit anti-pyretic activity in vivo when associated (noncovalently) with zwitterionic phospholipids, such as dipalmitoyl phosphatidyl choline. <IMAGE>

IPC 1-7  
**A61K 31/74**

IPC 8 full level  
**A61K 31/19** (2006.01); **A61K 31/192** (2006.01); **A61K 31/195** (2006.01); **A61K 31/196** (2006.01); **A61K 31/405** (2006.01); **A61K 31/60** (2006.01); **A61K 31/66** (2006.01); **A61K 31/74** (2006.01)

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Citation (search report)  
• [XY] DE 2914788 A1 19801016 - NATTERMANN A & CIE  
• [XY] DE 2951142 A1 19810709 - NATTERMANN A & CIE [DE]  
• [XY] US 4421747 A 19831220 - GHYCZY MIKLOS [DE], et al  
• [XY] DATABASE WPI Section Ch Week 9403, Derwent World Patents Index; Class B05, AN 94-022817, XP002065029  
• [XP] LMM. LICHTENBERGER ET AL.: "Non-steroidal anti-inflammatory drugs (NSAIDS) associate with zwitterionic phospholipids: Insight into the mechanism and reversal of NSAID-induced gastrointestinal injury", NATURE MEDICINE, vol. 1, no. 2, February 1995 (1995-02-01), pages 154 - 158, XP002065028

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**US 9600633 W 19960124**; AT 96902157 T 19960124; DE 69621773 T 19960124; EP 01128271 A 19960124; EP 96902157 A 19960124; ES 96902157 T 19960124